

Table B-22. Annual dose to maximally exposed individual resulting from liquid releases  
from L-Reactor with seepage basin in first year (In millirems per year)

Pathway	Skin	Bone	Liver	Total body	Thyroid	Kidney	Lung	GI-LLI
ADULT								
Fish	0.0	$1.05 \times 10^{-1}$	$6.32 \times 10^{-4}$	$2.60 \times 10^{-3}$	$1.24 \times 10^{-4}$	$2.91 \times 10^{-4}$	$1.80 \times 10^{-4}$	$3.11 \times 10^{-3}$
Drinking	0.0	$7.53 \times 10^{-2}$	$2.98 \times 10^{-3}$	$4.50 \times 10^{-3}$	$2.97 \times 10^{-3}$	$2.97 \times 10^{-3}$	$2.97 \times 10^{-3}$	$5.00 \times 10^{-3}$
Shoreline	$6.32 \times 10^{-5}$	$5.37 \times 10^{-5}$						
Swimming	0.0	$2.23 \times 10^{-7}$						
Boating	0.0	$6.69 \times 10^{-7}$						
Total	$6.32 \times 10^{-5}$	$1.81 \times 10^{-1}$	$3.67 \times 10^{-3}$	$7.15 \times 10^{-3}$	$3.15 \times 10^{-3}$	$3.32 \times 10^{-3}$	$3.20 \times 10^{-3}$	$8.17 \times 10^{-3}$
TEENAGER								
Fish	0.0	$9.05 \times 10^{-2}$	$6.11 \times 10^{-4}$	$2.10 \times 10^{-3}$	$9.20 \times 10^{-5}$	$2.59 \times 10^{-4}$	$1.57 \times 10^{-4}$	$2.38 \times 10^{-3}$
Drinking	0.0	$6.16 \times 10^{-2}$	$2.10 \times 10^{-3}$	$3.34 \times 10^{-3}$	$2.09 \times 10^{-3}$	$2.09 \times 10^{-3}$	$2.09 \times 10^{-3}$	$3.59 \times 10^{-3}$
Shoreline	$2.12 \times 10^{-4}$	$1.80 \times 10^{-4}$	$1.80 \times 10^{-4}$	$1.80 \times 10^{-4}$	$1.80 \times 10^{-4}$	$1.88 \times 10^{-4}$	$1.80 \times 10^{-4}$	$1.80 \times 10^{-4}$
Swimming	0.0	$2.23 \times 10^{-7}$	$2.37 \times 10^{-7}$	$2.23 \times 10^{-7}$				
Boating	0.0	$6.69 \times 10^{-7}$						
Total	$2.12 \times 10^{-4}$	$1.52 \times 10^{-1}$	$2.88 \times 10^{-3}$	$5.63 \times 10^{-3}$	$2.37 \times 10^{-3}$	$2.53 \times 10^{-3}$	$2.43 \times 10^{-3}$	$6.15 \times 10^{-3}$
CHILD								
Fish	0.0	$1.02 \times 10^{-1}$	$5.57 \times 10^{-4}$	$2.24 \times 10^{-3}$	$7.92 \times 10^{-5}$	$2.30 \times 10^{-4}$	$1.34 \times 10^{-4}$	$1.07 \times 10^{-3}$
Drinking	0.0	$1.55 \times 10^{-1}$	$4.03 \times 10^{-3}$	$7.16 \times 10^{-3}$	$4.01 \times 10^{-3}$	$4.01 \times 10^{-3}$	$4.01 \times 10^{-3}$	$5.46 \times 10^{-3}$
Shoreline	$4.42 \times 10^{-5}$	$3.76 \times 10^{-5}$						
Swimming	0.0	$2.23 \times 10^{-7}$						
Boating	0.0	$6.69 \times 10^{-7}$						
Total	$4.42 \times 10^{-5}$	$2.57 \times 10^{-1}$	$4.63 \times 10^{-3}$	$9.43 \times 10^{-3}$	$4.13 \times 10^{-3}$	$4.28 \times 10^{-3}$	$4.18 \times 10^{-3}$	$6.57 \times 10^{-3}$

Table B-22. Annual dose to maximally exposed individual resulting from liquid releases from L-Reactor with seepage basin in first year (In millirems per year) (continued)

Pathway	Skin	Bone	Liver	Total Body	Thyroid	Kidney	Lung	GI-LLI
INFANT								
Drinking	0.0	$1.11 \times 10^{-1}$	$3.96 \times 10^{-3}$	$6.22 \times 10^{-3}$	$3.94 \times 10^{-3}$	$3.94 \times 10^{-3}$	$3.94 \times 10^{-3}$	$4.88 \times 10^{-3}$
Total	0.0	$1.11 \times 10^{-1}$	$3.96 \times 10^{-3}$	$6.22 \times 10^{-3}$	$3.94 \times 10^{-3}$	$3.94 \times 10^{-3}$	$3.94 \times 10^{-3}$	$4.88 \times 10^{-3}$

Table B-23. Annual dose to maximally exposed individual resulting from liquid releases from L-Reactor with seepage basin in tenth year (In millirems per year)

Pathway	Skin	Bone	Liver	Total body	Thyroid	Kidney	Lung	GI-LLI
ADULT								
Fish	0.0	$1.05 \times 10^{-1}$	$3.83 \times 10^{-3}$	$5.79 \times 10^{-3}$	$3.32 \times 10^{-3}$	$3.48 \times 10^{-3}$	$3.37 \times 10^{-3}$	$6.30 \times 10^{-3}$
Drinking	0.0	$7.53 \times 10^{-2}$	$7.92 \times 10^{-2}$	$8.07 \times 10^{-2}$	$7.92 \times 10^{-2}$	$7.92 \times 10^{-2}$	$7.92 \times 10^{-2}$	$8.12 \times 10^{-2}$
Shoreline	$6.36 \times 10^{-5}$	$5.41 \times 10^{-5}$						
Swimming	0.0	$2.25 \times 10^{-7}$						
Boating	0.0	$6.76 \times 10^{-7}$						
Total	$6.36 \times 10^{-5}$	$1.81 \times 10^{-1}$	$8.30 \times 10^{-2}$	$8.65 \times 10^{-2}$	$8.25 \times 10^{-2}$	$8.27 \times 10^{-2}$	$8.26 \times 10^{-2}$	$8.76 \times 10^{-2}$
TEENAGER								
Fish	0.0	$9.05 \times 10^{-2}$	$2.96 \times 10^{-3}$	$4.47 \times 10^{-3}$	$2.45 \times 10^{-3}$	$2.62 \times 10^{-3}$	$2.52 \times 10^{-3}$	$4.74 \times 10^{-3}$
Drinking	0.0	$6.16 \times 10^{-2}$	$5.58 \times 10^{-2}$	$5.71 \times 10^{-2}$	$5.58 \times 10^{-2}$	$5.58 \times 10^{-2}$	$5.58 \times 10^{-2}$	$5.73 \times 10^{-2}$
Shoreline	$2.13 \times 10^{-4}$	$1.81 \times 10^{-4}$						
Swimming	0.0	$2.25 \times 10^{-7}$						
Boating	0.0	$6.76 \times 10^{-7}$						
Total	$2.13 \times 10^{-4}$	$1.52 \times 10^{-1}$	$5.90 \times 10^{-2}$	$6.17 \times 10^{-2}$	$5.85 \times 10^{-2}$	$5.86 \times 10^{-2}$	$5.85 \times 10^{-2}$	$6.23 \times 10^{-2}$
CHILD								
Fish	0.0	$1.02 \times 10^{-1}$	$2.59 \times 10^{-3}$	$4.27 \times 10^{-3}$	$2.11 \times 10^{-3}$	$2.26 \times 10^{-3}$	$2.17 \times 10^{-3}$	$3.11 \times 10^{-3}$
Drinking	0.0	$1.55 \times 10^{-1}$	$1.07 \times 10^{-1}$	$1.10 \times 10^{-1}$	$1.07 \times 10^{-1}$	$1.07 \times 10^{-1}$	$1.07 \times 10^{-1}$	$1.08 \times 10^{-1}$
Shoreline	$4.45 \times 10^{-5}$	$3.78 \times 10^{-5}$						
Swimming	0.0	$2.25 \times 10^{-7}$						
Boating	0.0	$6.76 \times 10^{-7}$						
Total	$4.45 \times 10^{-5}$	$2.57 \times 10^{-1}$	$1.10 \times 10^{-1}$	$1.14 \times 10^{-1}$	$1.09 \times 10^{-1}$	$1.09 \times 10^{-1}$	$1.09 \times 10^{-1}$	$1.12 \times 10^{-1}$

Table B-23. Annual dose to maximally exposed individual resulting from liquid releases from L-Reactor with seepage basin in tenth year (In millirems per year) (continued)

Pathway	Skin	Bone	Liver	Total body	Thyroid	Kidney	Lung	GI-LLI
INFANT								
Drinking	0.0	$1.11 \times 10^{-1}$	$1.05 \times 10^{-1}$	$1.07 \times 10^{-1}$	$1.05 \times 10^{-1}$	$1.05 \times 10^{-1}$	$1.05 \times 10^{-1}$	$1.06 \times 10^{-1}$
Total	0.0	$1.11 \times 10^{-1}$	$1.05 \times 10^{-1}$	$1.07 \times 10^{-1}$	$1.05 \times 10^{-1}$	$1.05 \times 10^{-1}$	$1.05 \times 10^{-1}$	$1.06 \times 10^{-1}$